

APPENDIX _____

Bioremediation Agent EA Type **Salt Water Toxicity Tests**

(EPA standard for toxicity of >100ppm = practically non-toxic)

1. Hap Prichard, OSE II LC50 test 96hr mysid (LC50 of >1900) and 7 day mysid chronic (LC50 of 2500) tests, EPA/NETAC bioremediation protocol development, administrator for NETAC Tom Merski (1992), EPA Research and Development Cincinnati Ohio,
2. Lepo, J E, and Jones J C, Evaluation of tier III bioremediation agent screening protocol for open water using commercial agents : preliminary report / toxicity tests 1993 OCLC number 206766502 Library EKCD Call number EPA/600-X-93, OSE II Mysidopsis bahia static LC50 48hr 6,698 and 96 hr 5.970 static renewal LC50 48hr >5700, 96hr >5700, 7 day 2.500, Menidia beryline static LC50 48hr 8839, and 96hr 8839mg/l.
3. Enviro Systems Division Resource Analysts Inc New Hampshire Batch 329, OSE II toxicity test Mysidopsis Bahia LC50 96hr 2100mg/l, March 9 1990
4. Timothy Ward, Robert Boeri, Enviro Systems Division, Resource analysts New Hampshire, batch 9820 for OSE II on the EPA dispersant toxicity test Artemia Salina, LC50 24 Hr >100, 48hr LC50 >100mg/l, fuel oil 48hr LC50 12.6 mg/l, OSE II and Fuel oil 48hr LC50 29.4mg/l, October 1990

EA Type Fresh Water Toxicity Test

5. Fingas M, Environment Canada Spilltox Environmental Technology Centre
URL:<http://www.etccte.ec.gc.ca/databases/SpillTox/Default.aspx> (key word OSE II)
Environment Canada. *OSEII* Daphnia magna 48 LC50 >10000 mg/L, Oncorhynchus mykiss 96 LC50 >10000 mg/L, Photobacterium phosphoreum .5 IC50 = 5109 mg/L, Photobacterium phosphoreum .25 IC50 = 5474 mg/L, Photobacterium phosphoreum .083 IC50 = 7952 mg/L,
(May 17, 1993) Biological test method: acute lethality test using rainbow trout. Environment Canada, Conservation and Protection, Ottawa, Ontario. Report EPS 1/RM/9, 51 pp.
6. Smith D Bio-Aquatic Testing Inc Carrollton Tx (214) 241-5928, Client BO-12-91-2239
OSE II, toxicity test 48hr LC50 Pimephales Promeles 9300mg/l, (1, December 1991).
7. Huther B, Huther and Associates Denton, Texas, (940) 387-1025, for Kwang Keun Kim
South Korea project 05457, OSE II, Toxicity test Pimephales Promelos (minnows)
LC50 5856.34mg/l, (1 June 2008)
8. Huther B, Huther and Associates Denton, Texas (940) 387-1025, for Kwang Keun Kim
South Korea project 0S457, OSE II LC50 Toxicity test Ceriodaphnia Dubia (water flea) 24hr LC50 >16000mg/l, (1 June 2008)